City of Lafayette
Staff Report
Transportation & Circulation Commission

Meeting Date: April 21, 2025

Staff: **Patrick Golier, Transportation & Circulation Program Manager**

Subject: **2024 Traffic Calming Program – Traffic Calming Project on Glenside Drive**

The intent of this staff report is to describe the proposed traffic calming project on one of the two roadway segments that have been approved for traffic calming as part of the 2024 Lafayette Traffic Calming Program. This proposed roadway segment is **Glenside Drive (St. Mary's Road to Lafayette-Moraga Trail Crossing)**.

Background

The City of Lafayette Traffic Calming Program (Program) is a resident-driven, application-based program that addresses speeding on local (residential) and collector streets in Lafayette. The program seeks to enhance street safety and neighborhood livability by reducing the negative impacts of fast-moving vehicular traffic and creating safer and more comfortable streets for people walking, biking, and driving.

The Program was updated in 2023. The updated policy includes a Traffic Calming Guidebook that articulates the City's process of applying for and evaluating and implementing traffic calming measures on Lafayette's roadways. The information provided in the updated Guidebook describes the new application process as well as information for residents who would like to learn more about the Program. The Guidebook describes the new timelines for application review, the data collection process, and traffic calming project approvals. This new timeline reflects the updated annual cycle of the Program, rather than past practice that permitted the acceptance of applications on a rolling basis.

Applications for traffic calming were submitted by residents on this roadway segment of Glenside Drive in 2024. The application is provided as Attachment 1. Subsequent to receipt of all applications that were submitted, staff collected data for each street and assessed traffic conditions to determine the eligibility of these streets. Project applicants were informed in December 2024 of the decision to accept the applications into the 2024 Program.

Data Collection

For each of the roadway segments for which traffic calming applications were submitted, staff collected data and assessed traffic conditions along the street. This included collection of traffic speed and vehicle volume counts. The data collection process for each valid traffic calming application is consistent across all roadways and is collected during the same 48-hour weekday period when schools are in

session. Further, data is collected at a mid-block section of the roadway segment where vehicle speeds tend to be the highest.

Table 1 provides the results of the data collection process for Glenside Drive. Data shown in Table 1 represents the highest data point among each of the two days of the data collection effort, and includes:

- The 85th percentile speed for each direction of the roadway segment
- The percent of vehicles traveling above the posted 25-mph speed limit
- The percent of vehicles traveling above 30-mph
- The total number of vehicles that traveled along that roadway segment in a 24-hour period

Travel speed represents the key set of criteria when evaluating an application for traffic calming. The 85th percentile speed is defined as the speed at or below which 85 percent of the drivers are operating. This statistic is typically used by Traffic Engineers to determine speed limits as well as evaluate vehicle speeds on a segment of roadway.

While the percentage of vehicles traveling above the speed limit did not factor into the evaluation process, the statistics provide an indication of the severity of vehicular speeding at specific locations along the roadway segment for each street.

Table 1: Data Collection Summary

Street	Near Address Number	EB 85% Speed (mph)	WB 85% Speed (mph)	% of vehicles traveling 25 mph+ (EB)	% of vehicles traveling 25 mph+ (WB)	% of vehicles traveling 30 mph+ (EB)	% of vehicles traveling 30 mph+ (WB)	Daily Traffic Volume
Glenside Drive	3309	31	33	78.5%	84.9%	24.7%	36.0%	2,276

The 85th percentile speeds along Glenside Drive are 31 mph in the eastbound direction and 33 mph in the westbound direction on a street with a posted speed limit of 25 mph. Thus, the 85th percentile speed is greater than 5 mph over the posted speed limit in each direction of travel.

In addition, Table 1 includes a summary of the percentage of vehicles that drive over the posted speed limit of 25 mph, as well as the percentage driving in excess of 30 mph. The intent of the proposed traffic calming would be to eliminate the percentage of drivers traveling at the higher (30+ mph) speeds and to reduce the percent traveling between 25- and 30 mph. Between 78% and 85% of vehicles traveling in each direction along Glenside Drive between St. Mary's Road and the Lafayette-Moraga Trail are traveling in excess of the speed limit, with 25% to 36% traveling in excess of 30 mph. Generally, traffic traveling westbound (i.e., towards St. Mary's Road) travel at a faster speed than eastbound traffic.

Data collection efforts on Glenside Drive were validated by the Lafayette Police Department who used portable traffic monitoring equipment.

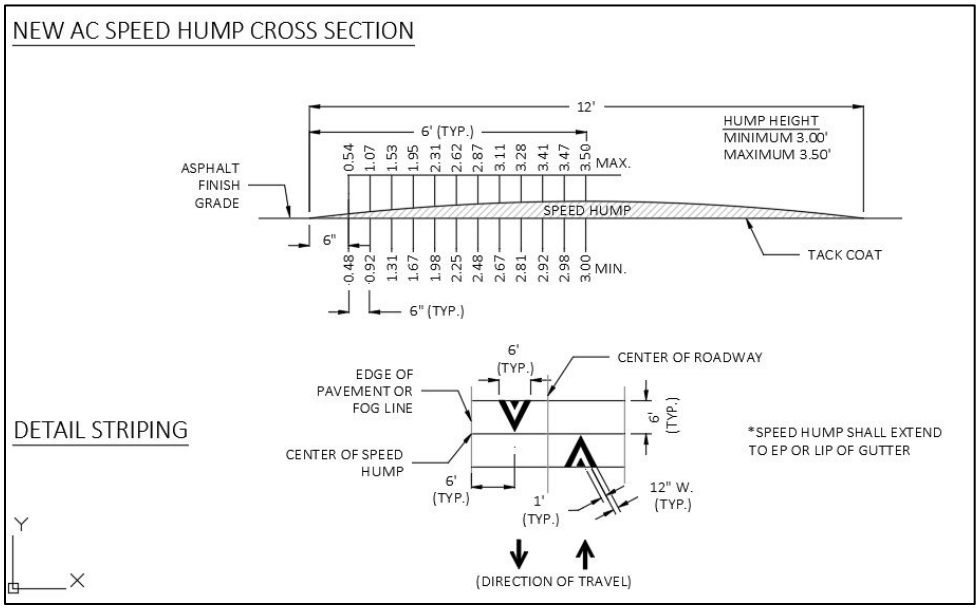
Traffic Calming Measures

Speed humps are the default traffic calming measure to address vehicular speeding on residential streets. Speed humps are vertical traffic-calming devices that are 3 to 3.5 inches high with a ramp length of 3 to 6 feet and that span the width of the roadway. When properly designed and implemented these devices are effective at reducing the 85th percentile speeds below the speed limit while effectively eliminating excessive speeds over 30 mph. In addition, speed humps are relatively

inexpensive to construct, have no detectable effect on traffic volumes, and generally don't require other trade-offs such as the loss of on-street parking. Because speed humps can reduce speeds along a corridor, this improves safety and comfort for people walking, biking, and driving in neighborhoods.

A profile of a typical speed hump is shown in Figure 1.

Figure 1 – Speed Hump Cross Section and Striping Plan



Generally, for blocks that are less than 500 feet in length, no more than one speed hump is appropriate. For blocks that are 500 feet or greater in length, two speed humps or more are generally appropriate if they can be placed approximately 200 feet from each other. Speed humps must be visible to the driver with sufficient stopping sight distance of about 150 feet. Speed hump placement should avoid overlap with driveways and should avoid utilities such as manholes, hydrants, water valves and monuments.

Emergency response providers, including the Contra Costa Fire Protection District and the Lafayette Police Department, were consulted as part of the development of the Traffic Calming Program update in 2023. The implementation of speed humps on residential streets is an approved measure from an emergency response perspective.

Glenside Drive

Glenside Drive is a two-lane roadway that carries approximately 2,300 vehicles per day. While the segment of Glenside Drive between the lower portion of St. Mary's Road (near Las Trampas Road) and Reliez Station Road is categorized as both an arterial roadway and an evacuation route, this segment of Glenside Drive, on the northern segment of the 'loop' between St. Mary's Road and the Glenside/Reliez Station intersection does not carry that designation. Thus, speed humps are a feasible traffic calming measure for this segment of this roadway.

Despite connecting directly to the regional trail, this section of Glenside Drive does not include any formal active transportation facilities; some gravel shoulders exist and are used by some pedestrians when free of parked cars.

One speed hump is recommended for construction, at approximately the mid-way section of this segment, adjacent to #3309 Glenside Drive.

The Lafayette-Moraga Trail crosses Glenside Drive just east of the location of this project and an existing raised crosswalk provides traffic calming at this crossing.

As part of the 2023 Traffic Calming Program two speed humps were installed on the segment of Glenside Drive between Los Palos Drive and Reliez Station Road. This proposed project would help to reinforce slower vehicle speeds along the entire Glenside Drive corridor to help promote pedestrian and cyclist safety.

A map of the proposed location for the speed hump along this street is included as Attachment 2.

Next Steps

Staff is seeking a recommendation from the Commission to send this proposed traffic calming project to the City Council for approval. As described in the Traffic Calming Guidebook, proposed traffic calming projects are summarized in a staff report as a Consent Calendar agenda item at a regularly scheduled City Council meeting, on a date to be determined.

Subject to approval, construction of the approved traffic calming projects would be expected to begin in summer 2025.

Staff recommendations for the remaining traffic calming project accepted into the 2024 Traffic Calming Program will be discussed at a separate Transportation & Circulation Commission meeting.

Fiscal Impact

The City's standard speed humps now cost approximately $8,000 each, including signage and striping.

An additional two speed humps for a traffic calming project on Glen Drive will be discussed at a future Commission meeting. The estimated cost to fund this project is approximately $16,000.

Therefore, the total cost to implement the 2024 traffic calming program as recommended by Staff is approximately $24,000. This would be funded through the Traffic Calming sinking fund which currently has a balance of $24,065. Future funding sources would need to be secured to fund future years of the program.

Recommendations

1. Construct one (1) speed hump along Glenside Drive, from St. Mary's Road to the Lafayette-Moraga Trail;
2. Recommend the City Council authorize funding from the traffic calming sinking fund to design and construct the proposed speed hump on Glenside Drive.

Attachments:

1. Traffic Calming Application for Glenside Drive
2. Proposed Speed Hump Layout for Glenside Drive

ATTACHMENT 1

Traffic Calming Application: Glenside Drive

Traffic Calming Request Form

LAFAYETTE

Date: 9/11/24

Primary Contact Information

PETER THERIAULT [redacted] [redacted]
Name Email Address Phone Number

3309 GLENSIDE DRIVE LAF. CA. 94549
Street Address Zip Code

Specify the Location and Concerns

The City of Lafayette will evaluate the need for traffic calming on a block-by-block basis; a separate application must be submitted for any adjacent blocks. Please define your block:

GLENSIDE DR. (Your Street) from ST. MARYS (Cross Street) to LAMORINDA TRAIL (Cross Street)
CLOSEST TO DOWNTOWN.

The City of Lafayette Traffic Calming Program addresses mid-block speeding on residential streets. Feel free to provide more detailed information about concerns on your street:

PEOPLE COME OFF THE STOP SIGN AT ST. MARYS. OUR SPEED LIMIT IS 25 AND THEY FLY BY THE SAME SPEED AS ON ST. MARYS. THERE ARE NO SIDEWALKS ON ARE STREET AND THEY COME FLYING BY. WHEN WE'RE WALKING. EVERYONE ON ARE STREET

Neighborhood Petition

WANTS SPEED BUMPS

To be considered for traffic calming, the application must include signatures from an adult resident of at least half of the distinct addresses on both sides of your block, using the petition form attached. One signature is allowed per address.

Community Contacts (Optional)

Please use the attached sheet to provide the names, addresses, and primary contact information for any schools, community centers or senior centers on your block, and list any parks or playgrounds. *Locations near schools and other community-oriented facilities will receive increased consideration. However this sheet is an optional form to your application.*

ALL MY NEIGHBOR ON BOTH SIDES OF THE STREET AGREE THAT SPEED BUMPS WOULD SLOW THE SPEEDING DOWN.

Visit www.lovelafayette.org/trafficcalming for more information on Lafayette's Traffic Calming Program and to download the Traffic Calming Guidebook.

Traffic Calming Request Petition

We the undersigned hereby petition the City of Lafayette to perform the necessary evaluation to consider whether, and if so, which, traffic calming measures are appropriate for:

GLENSIDE DRIVE (Your Street) from ST. MARY'S ROAD (Cross Street) to LAMOR LN & [redacted] TRAIL (Cross Street)

GLENSIDE CLOSEST TO DOWN TOWN

By signing this petition, I agree to have an appropriate traffic calming measure installed in front of my residence if deemed the most appropriate solution by City of Lafayette staff.

	Print Name	Sign (agree to statements above)	Address (one signature will be counted per unit)	Email Address
1	Kyle Tooker	✓	3288 Glenside Dr	
2	JASON SHELEN	✓	3292 GLENSIDE DR	
3	Dominique Theulier	✓	3302 Glenside Dr	
4	ALLAN DANIEL	✓	3310 Glenside Dr	
5	Karen Severo	✓	3306 Glenside Dr	
6	PETER TERRIAULT	✓	3309 GLENSIDE DR	
7	DaNita Thesmuto	✓	3309 1/2 Glenside Dr	
8	JAMES DAVIS	✓	3307 Glenside Dr.	
9	Vincent Dykstra	✓	3277 Glenside Dr	
10	Brian Petkovich	✓	3273 Glenside Dr.	
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ATTACHMENT 2

Proposed Speed Hump Layout: Glenside Drive

Glenside Drive

Proposed 2025 Traffic Calming Project

Proposed Speed Hump Location (Approx.)

Existing Raised Crosswalk Location